

CHAPTER 3

PROPOSED WORK

3.1 Introduction

This chapter will discuss about the functions for this system and find out how it work.

3.2 System Functions

Table 3.1: System Functions

Functions	Function description
Pronunciation (Audio)	<ul style="list-style-type: none"> -This application will produce an audio and recite the letters that touched by the user -Recitation will produced based on the letters touched by the user. -If some letters needs to be read long, then the audio will also produced as a proper recite.
Makharijul Huruf function	-To allows the user to distinguish the letters hijaiyah based sounds during read in.
Quizzes	<ul style="list-style-type: none"> - This function is to allow users to measure their understanding of what they have learned - Users need to type and insert spelling using English alphabet by letter of al-quran shown. - Users must go through this quiz to go to the next level of learning. - Each question that user be answered can get a mark and user must has to achieve the predetermined mark for to go the next learning level.

Al-Baghdadi technique	-This application will apply Al-Baghdadi technique but will convert knocking technique in old Al-Baghdadi technique to blinking lights as way to adapt that technique to these system.
Remainder	-User can set this function. -This function will alerts users to learn Iqra' as set by user. -The reminder will pop out at screen to remind the user.
Bookmark	- To enable users to mark where they stop and facilitate them to find where they stop to continue their learning at other times.

3.3 Context Diagram

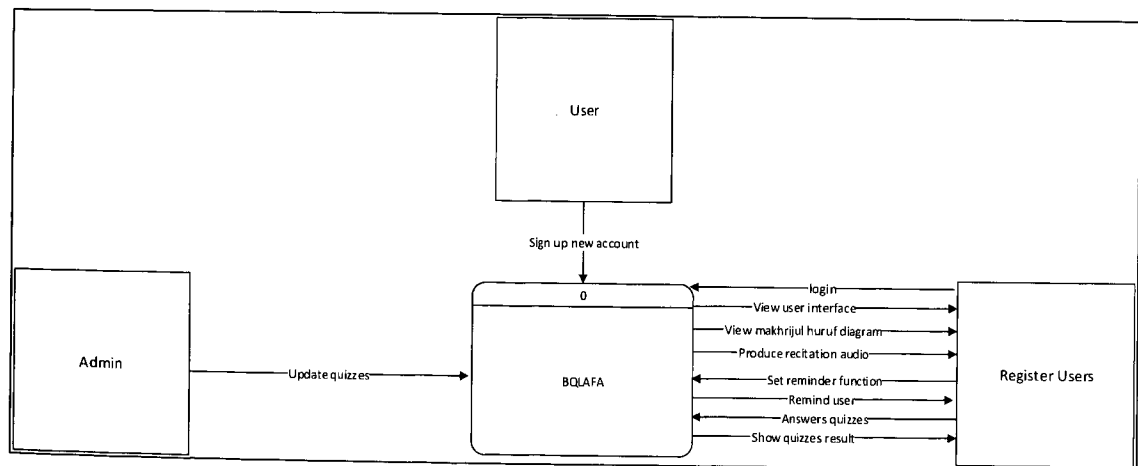


Figure 3.1: Context Diagram

Figure 3.1 shows context diagram. This diagram will show overall system flow process from beginning process until end process.

3.4 Data Flow Diagram Level 0 (Dfd Level-0)

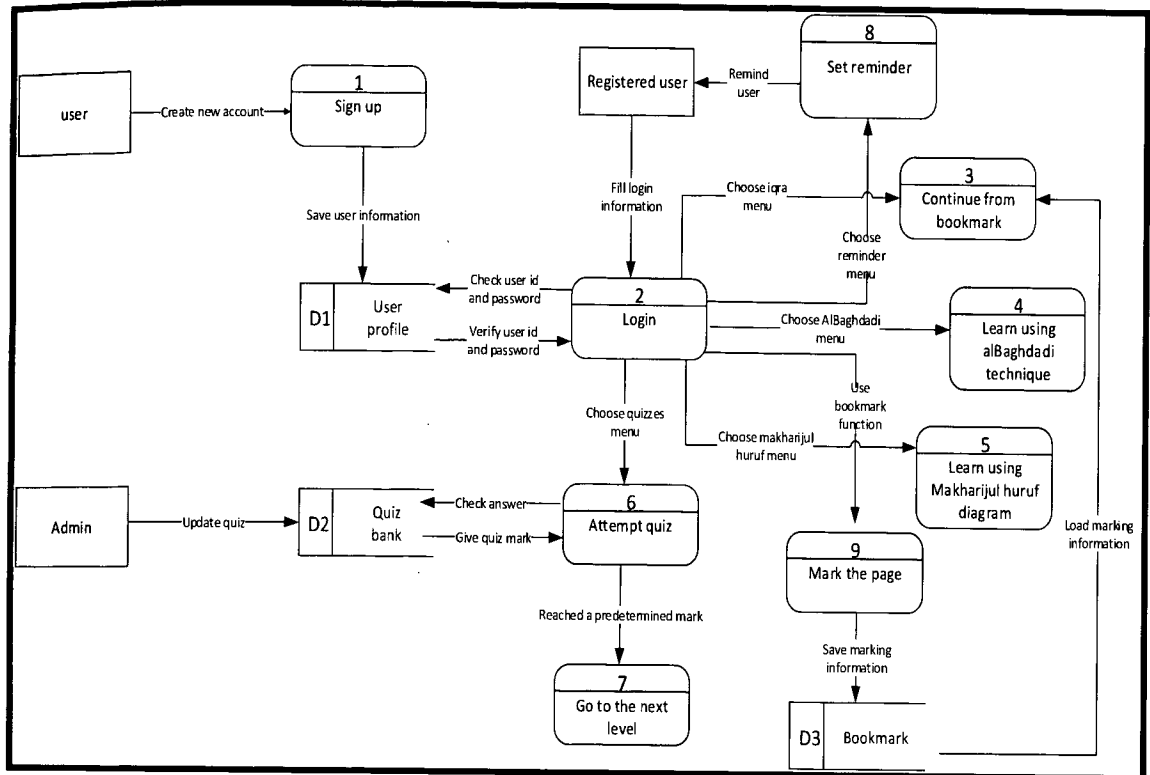


Figure 3.2: DFD Level-0

Figure 3.2 shows data flow diagram level 0. This diagram will show all flow process from beginning process until end process with more detail than context diagram.

3.5 Data Flow Diagram Level 1...Level N (Dfd Level-1..Level-N)

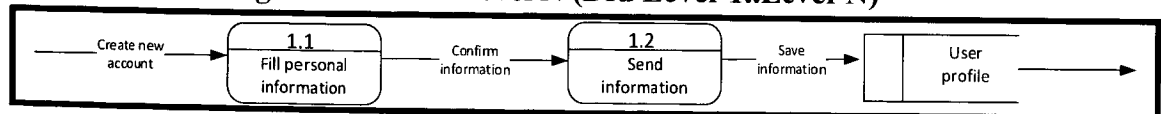


Figure 3.3: DFD Sign-up level 1

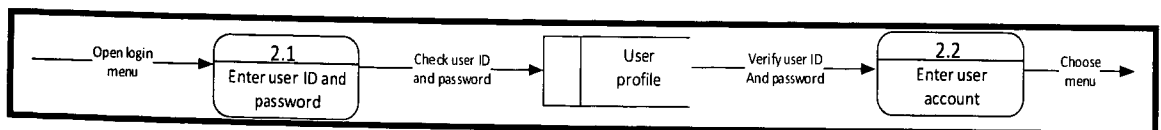


Figure 3.4: DFD Login level 1

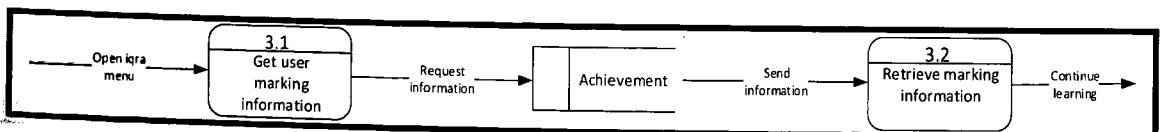


Figure 3.5: DFD Continue from bookmark level 1